

حكومة إقليم كردستان - العراق  
رئاسة مجلس الوزراء  
وزارة التعليم العالي والبحث العلمي  
رئاسة جامعة سوران  
فakهة لتي الآداب



حكومة تى هدرىمى كوردستان - عىراق  
سهروكايه تى نه نجومه تى وهزيران  
وهزاره تى خویندننى بالا و توپژینه وهى زانستى  
سهروكايه تى زانكۆى سوران  
فakهة لتي ناآاب

دارشتى پلانى خویندن/كۆرس بووك  
بۆ سانى خویندننى 2015-2014

زانبارى مامۆستا:

ناوى مامۆستا: Hasan Mohammed Hameed

پسپۆرى وردى مامۆستا: Geomatics

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مۆر يان واژووى مامۆستا:

زانبارى بهش و بابەت:

ناوى بهش: جوگرافيا

ناوى بابەت: Geographic Information System

قوناغ: سييه م

ژماره ي بهكه: 3

مۆر و واژووى سهروك بهش:

زانبارى بهرپرس و جيگرى دلنبايى جوړى بهش:

ناوى بهرپرس: رزطار محمد عثمان	ناوى جيگر: كارزان بايز عبد
ژ. موبایل:	ژ. موبایل:
ئيميل:	ئيميل:

پښوېسته كورته يهك بنووسرېت بۆ:

پېناسه ي بابته:

GIS is a computer-based information system that enables capture, modeling, manipulation, retrieval, analysis and presentation of geographically referenced data

گرېنگې بابته:

ئامانجې بابته:

The aim of this course is to explain the basic concept of geographic information system and give the students theoretical and practical knowledge about geographic information system. The students in this course will learn how to collect, manage and analysis geographic data, after that how visualize digital geographical data and how to solve geographical problems. The course consists of basic cartography, projection and reference system and mange of geographic data in digital formats. Basic analysis of vector and raster formats and basic knowledge about interpolation of geographic data .

دابه شکردنی خشتهی بابه ته که

Definition of GIS, History, Concepts	ههفتهی یه کهم
Application of GIS . GIS software	ههفتهی دووهم
Representing geography, GIS and Sci	ههفتهی سییهم
Cartography and visualization	ههفتهی چوارهم
Cartography and visualization	ههفتهی پینجهم
Modeling	ههفتهی شه شه م
Vector structure model	ههفتهی حه فته م
Vector structure model	ههفتهی هه شته م
Vector analysis	ههفتهی نو یه م
Vector analysis	ههفتهی ده یه م
The Raster data model	ههفتهی یاز دم
The Raster data model	ههفتهی دواز دم
Raster analysis	ههفتهی سیز دم
Raster analysis	ههفتهی چوار دم
Data models and data structures / formats	ههفتهی پاز دم
Data models and data structures / formats	ههفتهی شاز دم
Geodetic reference systems and map projections	ههفتهی حه فده م
Geodetic reference systems and map projections	ههفتهی هه ژ دم
Digitizing	ههفتهی نو ز دم
Digitizing	ههفتهی بیسته م
Interpolation and Surface Modeling	ههفتهی بیست و یه ک
Interpolation and Surface Modeling	ههفتهی بیست و دوو
Interpolation Methods	ههفتهی بیست و سی
Interpolation Methods	ههفتهی بیست و چوار
Topology	ههفتهی بیست و پینج
Spatiotemporal data models	ههفتهی بیست و شه ش
Spatiotemporal data models	ههفتهی بیست و حه وت
Three-dimensional data analysis	ههفتهی بیست و هه شت
Network analysis	ههفتهی بیست و نو
Concept of GPS	ههفتهی سییه م

سەرچاوه كان :

Kresse, Wolfgang, David M. Danko (2012), Springer Handbook of Geographic Information, Springer-Verlag Berlin Heidelberg.

Sickle, Jan Van (2010), Basic GIS Coordinates, second edition, CRC Press Taylor & Francis Group, Printed in the United States of America.

Longley, Paul A., Michael F. Goodchild, David J. Maguire and David W. Rhind (2005), Geographical Information Systems and Science, 2nd Edition, John Wiley & Sons Ltd, The Atrium, Southern Gate, Chichester, West Sussex PO19 8SQ, England.

Worbbboys, Michael F.(2003), GIS, A computing perspective, Taayler and Francis Group, London, online

[http://books.google.iq/books?id=duT2fcnQeJMC&printsec=frontcover&dq=GIS:+A+Computing+Perspective+1997+pdf&hl=en&sa=X&ei=RZJGUqCoN4flsgbb\\_YGADA&ved=0CD0Q6AEwBA#v=onepage&q&f=false](http://books.google.iq/books?id=duT2fcnQeJMC&printsec=frontcover&dq=GIS:+A+Computing+Perspective+1997+pdf&hl=en&sa=X&ei=RZJGUqCoN4flsgbb_YGADA&ved=0CD0Q6AEwBA#v=onepage&q&f=false)

De By, Rolf A., Richard A. Knippers, Yuxian Sun, Martin Cm Ellis, Menno-Jan Kraak, Michael J. C. weir, Yola Georiadou, Mostafa M. Radwan, Cees J. Van Westen, Wolfgan Kainz, Edmund J. Sides (2001), Principle of Geographic Information Systems, Second Edition, ITC Educational Textbook Series 1, Enschede, The Netherlands.

تېيىنى :

- نموونهى پرسيار و وهلام بو تاقىكردنه وه كانى وهرزى و كوئى سال دابنرئت .

- تاقىكردنه وهى له ناكاو (quiz) بكرئت .

- پيويسته كورس بووك به فونئى (Ali\_K\_Traditional) بو كوردى و به فونئى (Ali-A-Traditional)

بو عه ره بى و به فونئى (Times New Roman) بوئىنگليزى.

• ههر تېيىنيه كى تر كه ماموستا هه بئت .